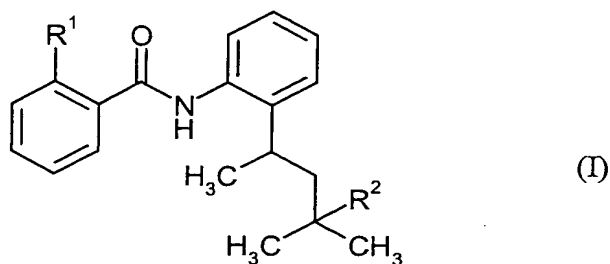


Patent claims

1. Phenylbenzamides of the formula (I)



5 in which

R^1 represents trifluoromethyl, chlorine, bromine or iodine and

R^2 represents hydrogen or methyl,

R^2 furthermore represents ethyl.

- 10 2. Phenylbenzamides of the formula (I) according to Claim 1 in which R^2 represents hydrogen.

3. Phenylbenzamides of the formula (I) according to Claim 1 selected from the following group

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N-[2-(1,3-dimethylbutyl)phenyl]-2-(trifluoromethyl)benzamide,

N-[2-(1,3-dimethylbutyl)phenyl]-2-chlorobenzamide,

N-[2-(1,3-dimethylbutyl)phenyl]-2-bromobenzamide,

N-[2-(1,3-dimethylbutyl)phenyl]-2-iodobenzamide,

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2-(trifluoromethyl)-*N*-[2-(1,3,3-trimethylbutyl)phenyl]benzamide,

2-chloro-*N*-[2-(1,3,3-trimethylbutyl)phenyl]benzamide,

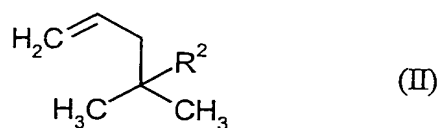
2-bromo-*N*-[2-(1,3,3-trimethylbutyl)phenyl]benzamide and

2-iodo-*N*-[2-(1,3,3-trimethylbutyl)phenyl]benzamide.

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4. Process for preparing phenylbenzamides of the formula (I) according to Claim 1, characterized in that

- a) in a first step, aniline is reacted with an alkene of the formula (II)

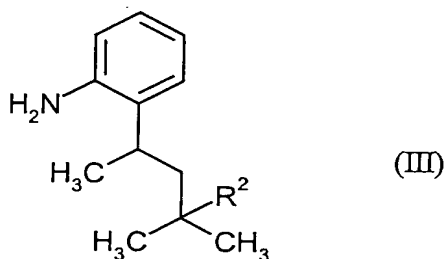


in which

R^2 represents hydrogen or methyl,

R^2 furthermore represents ethyl,

in the presence of a base and in the presence of a Lewis acid, and the resulting alkylphenylamine derivative of the formula (III)

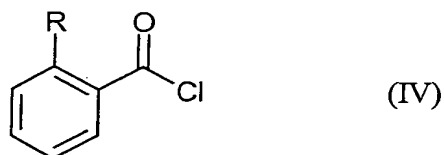


in which

R^2 represents hydrogen or methyl,

R^2 furthermore represents ethyl,

- b) is, in a second step reacted with a benzoyl chloride of the formula (IV)



in which

R^1 represents trifluoromethyl, chlorine, bromine or iodine,

if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent.

5. Compositions for controlling unwanted microorganisms, characterized in that they comprise at least one phenylbenzamide of the formula (I) according to Claim 1, in addition to extenders and/or surfactants.

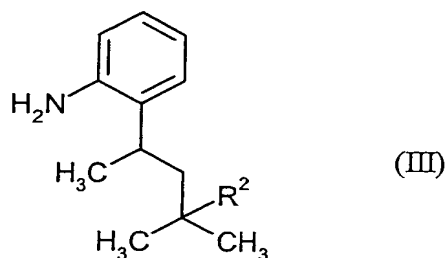
- 5 6. Use of phenylbenzamides of the formula (I) according to Claim 1 for controlling unwanted microorganisms.

7. Method for controlling unwanted microorganisms, characterized in that phenylbenzamides of the formula (I) according to Claim 1 are applied to the
10 microorganisms and/or their habitat.

8. Process for preparing compositions for controlling unwanted microorganisms, characterized in that phenylbenzamides of the formula (I) according to Claim 1 are mixed with extenders and/or surfactants.

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9. Alkylphenylamine derivatives of the formula (III)



in which

R^2 represents hydrogen or methyl,

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R^2 furthermore represents ethyl.

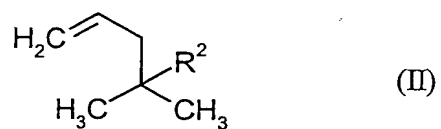
10. Alkylphenylamine derivatives of the formula (III) according to Claim 9 in which

R^2 represents hydrogen or methyl.

25

11. Process for preparing phenylamine derivatives of the formula (III) according to Claim 9, characterized in that

aniline is reacted with an alkene of the formula (II)



in which

- 5 R^2 represents hydrogen or methyl,
 R^2 furthermore represents ethyl,

in the presence of a base and in the presence of a Lewis acid.